

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078947246

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078947245 078947247 078947248 078947249 078947250



# SAFETY DATA SHEET

## MOVODYL™ Chewable Tablets (carprofen)

### 1. IDENTIFICATION

|  |   |
|--|---|
| <b>Product Name</b>  | MOVODYL™ Chewable Tablets (carprofen)   |
| <b>Recommended use of the chemical and restrictions on use</b>   |   |
| <b>Identified uses</b>   | Veterinary product used as a non-steroidal, anti-inflammatory drug (nsaid) for dogs only. |
| <b>Restrictions on Use</b>   | Not for human use. Do not use in cats.  |
| <b>Company Identification</b>  | Virbac AH, Inc.<br>P.O. Box 162059<br>Fort Worth, Texas 76161<br>(800) 338-3659           |
| <b>Customer Information Number</b>   |   |
| <b>Emergency Telephone Number</b>  |   |
| <b>CHEMTREC Number</b>   | (800) 424-9300  |
| <b>Other Emergency Number:</b>   | Human Toll-free 833-224-2009<br>Animal Toll-free 833-224-2013                             |
| <b>Issue Date</b>  | April 14, 2022  |
| <b>Supersedes Date</b>   | New document  |
| <i>Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)</i> |   |

### 2. HAZARD IDENTIFICATION

#### Hazard Classification

Skin Sensitization – Category 1B

Reproductive toxicity (the unborn child) - Category 2

Specific target organ toxicity (Repeat Exposure) – Category 2 (digestive system)

#### Label Elements

Hazard Symbols



Signal Word: Warning

#### Hazard Statements

May cause an allergic skin reaction.

Suspected of damaging the unborn child.

Causes damage to organs through prolonged or repeated exposure. (ingestion)

#### Precautionary Statements

##### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Do not breathe dusts.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/face protection.

Wash hands thoroughly with soap and water after handling.

Wear protective gloves/protective clothing/eye protection/face protection.



---

## 2. HAZARD IDENTIFICATION

---

### Response

If exposed or concerned: Get medical advice/attention.  
If on skin: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.

### Storage

Stoke locked up.

### Disposal

Dispose of contents/container in accordance with local, regional, national and international regulations.

### Other Hazards

None

---

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

### Synonyms:

This product is a mixture.

| Component Name          | CAS Number | Concentration |
|-------------------------|------------|---------------|
| Carprofen               | 53716-49-7 | ***           |
| Sodium Starch Glycolate | 9063-38-1  | *             |
| Stearic Acid            | 57-11-4    | *             |
| Lactose Monohydrate     | 10039-26-6 | *             |

**Composition comments** \*\*\* 25, 37.5, 50, 75, or 100 mg per tablet

\* Designates that the specific chemical identify and/or percentage of composition has been withheld as a trade secret. In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

---

## 4. FIRST - AID MEASURES

---

### Description of necessary first-aid measures

#### Inhalation

Remove person to fresh air. Seek medical attention if symptoms develop or persist. For breathing difficulties, oxygen may be necessary.

#### Eyes

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Continue rinsing. Get medical attention if irritation develops and persists.

#### Skin

Wash off immediately with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

#### Ingestion

Rinse mouth. Call a physician or poison control center immediately. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions



---

#### 4. FIRST - AID MEASURES

---

##### **Most important symptoms/effects, acute and delayed**

Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort.

Mild skin irritation. Exposure may cause temporary irritation, redness, or discomfort. May cause an allergic skin reaction. Dermatitis. Rash.

If swallowed: Nausea, vomiting. Abdominal pain.

Chronic exposure to this material may cause serious gastrointestinal toxicity such as bleeding, ulceration, and perforation.

##### **Indication of immediate medical attention and special treatment needed**

##### **Notes to Physicians**

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

##### **General Information**

For personal protection, see section 8 of the SDS. If exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

---

#### 5. FIRE - FIGHTING MEASURES

---

##### **Extinguishing Media**

Water spray. Foam. Powder. Carbon dioxide (CO<sub>2</sub>).

##### **Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

##### **Unusual Fire and Explosion Hazards**

During fire, gases hazardous to health may be formed.

##### **Protective Equipment for Fire-Fighting**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

##### **Firefighting equipment/instructions**

Use water spray to cool unopened containers

##### **Specific methods hazards**

Use standard firefighting procedures and consider the hazards of other involved materials.

##### **General fire hazards**

No unusual fire or explosion hazards noted.

---

#### 6. ACCIDENTAL RELEASE MEASURES

---

##### **Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid the generation of dusts during clean-up. Avoid inhalation of dust. Avoid contact with eyes, skin, and clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.



---

## 6. ACCIDENTAL RELEASE MEASURES

---

### Environmental Precautions

Avoid discharge into drains, water courses or onto the ground.

### Methods and materials for containment and cleaning up

Ensure adequate ventilation. Remove sources of ignition. Avoid release to the environment.

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

---

## 7. HANDLING AND STORAGE

---

### Precautions for safe handling

Do not taste or swallow. Avoid contact with eyes, skin, and clothing. If tablets or capsules are crushed and/or broken, avoid breathing dust and avoid contact with eyes. Avoid prolonged exposure. Minimize dust generation and accumulation. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wear appropriate personal protective equipment. Avoid release to the environment..

### Conditions for safe storage

Store in a well-ventilated place. Keep away from heat and sources of ignition. Store in original tightly closed container. @ 15-30°C (59-86°F). Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children. Protect from moisture.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**Occupational exposure limits:** The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

| Components                    | Type | Value                  |
|-------------------------------|------|------------------------|
| Carprofen (CAS 53716-16-49-7) | TWA  | 1000 µg/m <sup>3</sup> |

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                               | Type | Value                | Form                |
|--|------|----------------------|---------------------|
| Sodium Starch Glycolate (CAS 9063-38-18) | PEL  | 5 mg/m <sup>3</sup>  | Respirable fraction |
|  |      | 15 mg/m <sup>3</sup> | Total dust          |
| Lactose Monohydrate (CAS 10039-26-6)     | PEL  | 5 mg/m <sup>3</sup>  | Respirable fraction |
|  |      | 15 mg/m <sup>3</sup> | Total dust          |

### US. ACGIH Threshold Limit Values

| Components                               | Type | Value                |
|--|------|----------------------|
| Sodium Starch Glycolate (CAS 9063-38-18) | TWA  | 10 mg/m <sup>3</sup> |
| Stearic Acid (CAS 57-11-4)               | TWA  | 10 mg/m <sup>3</sup> |
| Lactose Monohydrate (CAS 10039-26-6)     | TWA  | 10 mg/m <sup>3</sup> |



---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### US NIOSH: Pocket Guide to Chemical Hazards

| Component                                | Type | Value                | Form                |
|--|------|----------------------|---------------------|
| Sodium Starch Glycolate (CAS 9063-38-18) | TWA  | 5 mg/m <sup>3</sup>  | Respirable fraction |
|  |      | 10 mg/m <sup>3</sup> | Total dust          |
| Lactose Monohydrate (CAS 10039-26-6)     | TWA  | 5 mg/m <sup>3</sup>  | Respirable fraction |
|  |      | 10 mg/m <sup>3</sup> | Total dust          |

### Biological limit values

No biological exposure limits noted for the ingredients.

### Control banding approach

Not available

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used and is normally adequate. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Individual protection measures

#### Respiratory Protection

No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection should be provided in instances where exposure to dust, mists, aerosols or vapors are likely. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

#### Skin/Hand Protection

Wear appropriate chemical resistant gloves. Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations

#### Eye/Face Protection

If contact is likely, safety glasses with side shields are recommended.

#### Body Protection

Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.

#### Thermal hazards

Not applicable

#### General hygiene considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Contaminated work clothing should not be allowed out of the workplace.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

|                |                          |
|----------------|--------------------------|
| Appearance     | Tablet (chewable tablet) |
| Physical State | Solid                    |
| Form           | Solid                    |
| Color          | Light brown              |
| Odor           | Not available            |
| Odor Threshold | Not available            |
| pH             | Not available            |



---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

|   |               |
|---|---------------|
| Density                                 | Not available |
| Boiling Range/Point (°C/F)              | Not available |
| Melting Point (°C/F)                    | Not available |
| Flash Point (PMCC) (°C/F)               | Not available |
| Vapor Pressure                          | Not available |
| Evaporation Rate (BuAc=1)               | Not available |
| Solubility in Water                     | Not available |
| Vapor Density (Air = 1)                 | Not available |
| Partition coefficient (n-octanol/water) | Not available |
| Viscosity                               | Not available |
| Auto-ignition Temperature               | Not available |
| Decomposition Temperature               | Not available |
| Upper explosive limit                   | Not available |
| Lower explosive limit                   | Not available |
| Flammability (solid, gas)               | Not available |
| Other information                       |               |
| Explosive properties                    | Not explosive |
| Oxidizing properties                    | Not oxidizing |

---

## 10. STABILITY AND REACTIVITY

---

### Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

### Chemical Stability

Material is stable under normal conditions..

### Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### Conditions to Avoid

Contact with incompatible materials. Heat, flames and sparks. Moisture.

### Incompatible Materials

Strong oxidizing agents. Acids.

### Hazardous Decomposition Products

Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

---

## 11. TOXICOLOGICAL INFORMATION

---

### Information on likely routes of exposure

**Inhalation:** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**Skin contact:** Prolonged skin contact may cause temporary irritation. There have been anecdotal reports that workers handling this material have experienced skin irritation and/or sensitivity reactions.

Carprofen

Species: Rabbit    Severity: Non-irritating







---

11. TOXICOLOGICAL INFORMATION

---

|   |        |  |
|---|--------|--|
|   | Rat    | 10 mg/kg/day, 2 years<br>(Not carcinogenic,<br>Gastrointestinal<br>system effects) |
| <b><u>Subchronic</u></b>                        |        |  |
| <b>Oral</b>                                     |        |  |
| NOAEL   | Dog    | 5 mg/kg/day, 13<br>weeks (Target organs:<br>None identified)                       |
|   | Rat    | 5 mg/kg/day, 13<br>weeks (Target organs:<br>Gastrointestinal<br>System)            |
| <b>Stearic Acid (CAS 57-11-4)</b>               |        |  |
| <b><u>Acute</u></b>                             |        |  |
| <b>Inhalation</b>                               |        |  |
| LC <sub>50</sub>                                | Rat    | > 0.16 mg/l/4h   |
| <b>Oral</b>                                     |        |  |
| LD <sub>50</sub>                                | Rat    | > 4600 mg/kg   |
| <b>Lactose Monohydrate<br/>(CAS 10039-26-6)</b> |        |  |
| <b><u>Acute</u></b>                             |        |  |
| <b>Oral</b>                                     |        |  |
| LD <sub>50</sub>                                | Rat    | 29.7 g/kg  |
| <b>Skin corrosion/irritation</b>                |        | Prolonged skin contact may cause temporary irritation.                             |
| <b>Corrosivity</b>                              |        |  |
| Carprofen                                       | Rabbit | Non-irritating   |
| <b>Serious eye damage/eye irritation</b>        |        | Direct contact with eyes may cause temporary irritation.                           |
| <b>Eye Contact</b>                              |        |  |
| Carprofen                                       | Rabbit | Non-irritating   |



---

11. TOXICOLOGICAL INFORMATION

---

**Respiratory or skin sensitization**

**Respiratory sensitization**

Not a respiratory sensitizer.

**Skin sensitization**

May cause an allergic skin reaction. Not a skin sensitizer in experimental animals. However, workers handling Carprofen Chewable Tablets have developed red and blotchy patches on their hands and faces.

**Skin sensitization (GPMT)**

Carprofen

Guinea Pig

Negative

**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Mutagenicity - Bacterial (Ames)**

Carprofen

Salmonella

Negative

**Mutagenicity - In Vivo Micronucleus**

Carprofen

Mouse

Negative

**Carcinogenicity**

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity:**

Suspected of damaging the unborn child.

**Developmental effects**

Carprofen

Rat

20 mg/kg/day Embryo/  
Fetal Development,  
Not Teratogenic  
Result: NOAEL

Mouse

40 mg/kg/day Prenatal  
& Postnatal  
Development, Not  
Teratogenic  
Result: NOAEL



---

11. TOXICOLOGICAL INFORMATION

---

|   |   |   |
|---|---|---|
|   | Rabbit  | 6 mg/kg/day Prenatal & Postnatal Development, Embryotoxicity, Early embryonic development<br>Result: NOAEL<br>Organ: Oral |
| <b>Reproductivity</b>                                     |   |   |
|   | Carprofen      Rat  | 20 mg/kg/day Reproductive & Fertility, Fetotoxicity, Maternal toxicity<br>Result: NOAEL                                   |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.   |   |
| <b>Specific target organ toxicity - repeated exposure</b> | May cause damage to organs (digestive system) through prolonged or repeated ingestion   |   |
| <b>Aspiration hazard</b>                                  | Not an aspiration hazard.   |   |
| <b>Further Information</b>                                | Anecdotal reports from facilities handling Carprofen Tablets have indicated a potential for workers to develop rashes upon exposure to dusts of the material. |   |

---

12. ECOLOGICAL INFORMATION

---

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Avoid release to the environment.

**Mobility in soil**

No relevant studies identified.

**Persistence/Degradability**

No data is available on the degradability of this product.

**Bioaccumulative Potential**

No data available for this product. Not expected to bioaccumulate.

**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.



---

**13. DISPOSAL INFORMATION**

---

**Disposal Instructions**

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Do not contaminate ponds, waterways or ditches with chemical or used container. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations**

Dispose of in accordance with applicable regulations.

**Hazardous waste code**

None known

**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

---

**14. TRANSPORTATION INFORMATION**

---

**DOT** – Not regulated as dangerous goods

**IATA** – Not regulated as dangerous goods

**IMDG** – Not regulated as dangerous goods

**Transport in bulk to Annex II of MARPOL 7/78 and the IBC Code** – Not applicable



---

## 15. REGULATORY INFORMATION

---

### US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard – No

### SARA 302 Extremely hazardous substance

Not listed.

### SARA 311/312 Hazardous chemical

None

### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

#### Safe Drinking Water Act (SDWA)

Not regulated.

### US state regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

### International Inventories

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada               | Domestic Substances List (DSL)   | No                     |
| Canada               | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe               | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                | Existing Chemicals List (ECL)  | No                     |
| New Zealand          | New Zealand Inventory  | No                     |
| Philippines          | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |



---

**15. REGULATORY INFORMATION**

---

**United States and Puerto Rico Inventories**

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No                     |

\* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

\* A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory

---

**16. OTHER INFORMATION**

---

**Legend**

ACGIH: American Conference of Governmental Industrial Hygienists  
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP)  
BOD: Biological Oxygen Demand  
CAS#: Chemical Abstracts Service Number  
ECHA: European Chemicals Agency  
FIFRA: Federal Insecticide, Fungicide and Rodenticide Act  
IARC: International Agency for Research on Cancer  
LC50: Lethal Concentration 50%  
LD50: Lethal Dose 50%  
N/A: Denotes no applicable information found or available  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
STEL: Short Term Exposure Limit  
TLV: Threshold Limit Value  
TSCA: Toxic Substance Control Act

Revision Date: April 14, 2022  
Replaces: New document

**Information Source and References**

This SDS is prepared by Virbac Corporation based on information provided by internal and external references.

MOVODYL is a trademark of Virbac AH, Inc.

The information and recommendations presented in this SDS are based on sources believed to be accurate. Neither Virbac AH, Inc. nor any of its affiliated companies assumes any liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the material for their particular purposes. In particular, we make **NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED**, with respect to such information, and we assume no liability resulting from its use. Users should ensure that any use or disposal of the material is in accordance with applicable Federal, State, and local laws and regulations.